

**WHAT IS CLAIMED IS:**

1. A compression apparatus comprising:

a sleeve configured for disposal about a limb,

5 the sleeve including a first portion defining a first expandable chamber and a second portion defining a second expandable chamber and a third expandable chamber,

the second portion including a connector in fluid communication with a pressurized fluid source and the first expandable chamber, the second expandable chamber and the third expandable chamber thereby facilitating fluid communication between the pressurized

10 fluid source and the chambers,

the first portion being removable from the second portion.

2. A compression apparatus as recited in claim 1, wherein the first portion is connected to the second portion via a perforated attachment.

3. A compression apparatus as recited in claim 1, wherein the first portion is  
15 configured for disposal about a first part of the limb and the second portion is configured for disposal about a second part of the limb.

4. A compression apparatus as recited in claim 1, wherein the second expandable chamber is disposed with the second portion for disposal about a second part of the limb and the third expandable chamber is disposed with the second portion for disposal about a third part of  
20 the limb.

5. A compression apparatus as recited in claim 1, wherein the first expandable chamber defines at least one sub-chamber.

6. A compression apparatus as recited in claim 5, wherein the second expandable chamber defines at least one sub-chamber.

5 7. A compression apparatus as recited in claim 6, wherein the third expandable chamber defines at least one sub-chamber.

8. A compression apparatus as recited in claim 1, wherein the sleeve defines at least one ventilation opening.

9. A compression apparatus as recited in claim 8, wherein the at least one opening  
10 includes openings formed in a surface of the expandable chambers.

10. A compression apparatus as recited in claim 8, wherein the at least one opening includes a slit disposed between the second expandable chamber and the third expandable chamber.

11. A compression apparatus as recited in claim 1, wherein the connector  
15 communicates with the chambers via a tubular pathway.

12. A compression apparatus as recited in claim 11, wherein the tubular pathway of the first expandable chamber is removable from the connector.

13. A compression apparatus as recited in claim 1, wherein a pressurized fluid is delivered to the chambers for expansion thereof in a sequential time interval such that the first expandable chamber is expanded for 2.5 seconds, then the second expandable chamber is expanded for 3.0 seconds and then the third expandable chamber is expanded for 5.5 seconds.

5           14. A compression apparatus as recited in claim 1, wherein the chambers are simultaneously contracted.

15. A compression apparatus comprising:

a sleeve configured to wrap about a leg and defining a plurality of ventilation openings,

10           the sleeve including a thigh portion defining a first inflatable chamber having sub-chambers, the sleeve further including a calf portion defining a second inflatable chamber having sub-chambers and an ankle portion defining a third inflatable chamber having sub-chambers,

the calf portion including a valve connector that fluidly communicates both a pressurized fluid source and the chambers via a tubular pathway to facilitate inflation of the  
15 chambers,

the thigh portion being removably connected to the calf portion via a perforated attachment and the tubular pathway of the first inflatable chamber being removable from the valve connector.

16. A compression apparatus as recited in claim 15, wherein the sleeve further includes a ventilation slit disposed between the second inflatable chamber and the third inflatable chamber.

17. A compression apparatus as recited in claim 15, wherein a pressurized fluid is  
5 delivered to the chambers such that the first inflatable chamber is inflated for 2.5 seconds, then the second inflatable chamber is inflated for 3.0 seconds, then the third inflatable chamber is inflated for 5.5 seconds and then the chambers are deflated simultaneously.

18. A method of performing compression on a limb of a body comprising the steps of:  
  
providing a sleeve configured for disposal about the limb, the sleeve including a  
10 first portion defining a first inflatable chamber and a second portion defining a second inflatable chamber and a third inflatable chamber, the second portion including a connector in fluid communication with a pressurized fluid source and the chambers thereby facilitating fluid communication between the pressurized fluid source and the chambers, the first portion being removable from the second portion;

15 disposing the sleeve about the limb;  
  
delivering pressurized fluid to the first inflatable chamber;  
  
delivering pressurized fluid to the second inflatable chamber;  
  
delivering pressurized fluid to the third inflatable chamber;  
  
deflating the chambers; and

removing the first portion from the second portion.

19. A method of performing compression as recited in claim 18, wherein the steps of delivering are each performed for a duration of between 2.5 and 5.5 seconds.

20. A method of performing compression as recited in claim 18, wherein the step of  
5 removing includes disconnecting the first inflatable chamber from the connector.

21. A method of performing compression as recited in claim 18, wherein the step of removing includes tearing the first portion from the second portion via a perforated attachment.

22. A compression apparatus comprising:

an expandable sleeve configured for disposal about a leg, the sleeve extending a  
10 length from below a knee of the leg to above the knee, wherein the sleeve is convertible from the length extending from below the knee to above the knee, to a length extending solely below the knee.

23. A compression apparatus as recited in claim 22, wherein the length of the sleeve extending from below the knee to above the knee includes a first portion disposed about a thigh  
15 of the leg, the first portion being removable from the sleeve.

24. A compression apparatus as recited in claim 23, wherein the first portion is connected to the sleeve via perforations.

25. A method of performing compression on a limb of a body comprising the steps of:

providing an expandable sleeve configured for disposal about a leg;

disposing the sleeve about the limb such that the sleeve extends a length from below a knee of the leg to above the knee;

5 delivering pressurized fluid to the sleeve;

deflating the sleeve; and

converting the sleeve from the length extending from below the knee to above the knee, to a length extending solely below the knee.

26. A method of performing compression as recited in claim 25, wherein the step of  
10 disposing the sleeve about the limb such that the sleeve extends a length from below a knee of the leg to above the knee includes a first portion of the sleeve being disposed about a thigh of the leg.

27. A method of performing compression as recited in claim 26, wherein the step of converting includes tearing the first portion from the sleeve.